FIG.

30 GTGAAGAACGAAAAACCTTCTTTGAAGAGCTTTACGAGGCTTTAGAGGAAACCCACGAC MKNEKTFFEELYEALEETHD <u>AACACCGATĞCCACTAGGGGGTCAGATAĞĞGGGTCAGAGGACTTCTTĈŤŤGGCCACCGAC</u> TDATRESDRESEDFFLATD 150 CCCCCTCCAGATGGAGGTGCCGAAAATCGCCTCGCGAAGGGCTTTACATACCAAAAAGAG P P P D G G A E N R L A K G F T Y Q K E 210 GCACTTAGGATTGCTTTACCCGAGAAAGACCATGAGGCTTTCCTTTCCTCTGTTGGGGCC ALRIALPEKDHEAFLSSVGA 250 270 290 PIPPAEPPVGNVCQAVQDG 330 310 CCTCAGAAGCTTCTGGAACTCCTCCAGGAGATTGCCCGCTCCACCATCCCCTACGGCAAC OKLLELLOEIARSTIPYGN 410 390 370 CGGGAGCTCTGGAGGAAGGTGGGGACGGTCGTCTTCATGGTCCCCCTGGAGATGTTGGCC RELWRKYGTVVFMVPLEMLA 450 CTCAACCTGGGGGTCACCCGGCAGACCGTCCACGCCTGGAAGAAGGTCCTTGAGAAAAAG NLGVTROTYHAWKKVLEKK 530 510 GGCCTGGTGGCCACCGACGTCCTTCACCAAACCGTCAACGGGGAGCGCCGGGCCATCGGC 570 ACCCTTTGGGCCGTCCGGCTGAGGCCAGGGAAAGCCAGGCTCACCCTGGACGACTACATC LWAVRLRPGKARLTLDDYI 630 TACCCCTGGAGGAACCTCGCCCTAGACATGGCCAACGGCGTGCTCTCCTTCAACTGGGTC Y P W R N L A L D M A N G V L S F N W V 690 670 AAGGCCTACCAGGACCACGGAATCCGCCCCACCCTGGACGTGCTGGTCCTCTGGGCTCAG AYODHGIRPTLDVLVLWAO 750 730 GGGAAAAGGGTGATGCCCAACACCAAGACCGTGGCCGTTGACCTGGGCCTCATCCTGGTC G K R V M P N T K T V A V D L G L I L V 810 790 CTCCCCGAGGTGGAGCGTTCCAAACTCCCGGCCCTTATCACCCTCATTGCTACGTACATT EVERSKLPALITLIATYI 870 850 GCCGATCTCCTAGATGACCGTCGTTCAAGACGTTTCTATGCAGGCTTGCTGTGGGCTGTG DLLDDRRSRRFYAGLLWAY 930 910 GCCAGGGGTGAACTCCCCGCGCAATATCTATTTGCCGTCCTAATGCGGGTTATCCGAGAT RGELPAGYLFAVLMRVIRD 970 TACACGGĂTĞGCCATCTGACACGACCGĞĞAGCGTACCTAGTGAAGACCCTCAAGGAGGCC YTDGHLTRPGAYLVKTLKEA

FIG. 2

- 1 CTATAACGGCCTTTTTAGGAGGGGGGATTGCCAGGCTGGGCTGACGGTTATTTTGGACC
- 61 CATAAAAAGGCGAAACCGAGGCGG<u>TTGCCC</u>CGGATCACCCCCAAGACC<u>TAGGGT</u>AACGCC
- 121 TCGGGLTCCAGATGACAAGGAGGTCCGAGGGTGAAGAACGAAAAAACCTTCTTTGAAGAG M K N E K T F F...(Rept)

FIG. ЗA

1 totagaaggt cagggtggac aaggaaaaca ccatagcccc tgccaagaag atggacgagt 61 togtotccog aaaagtogcc atccoggocg ctcttoacaa ctatttcca gcogtogcca 121 ccggcattgg ccacgaggta cgagctigtg gagtagacgg ccacaaaggg gtcgtcctca 181 aacticitit ctagtgccgc ttggacgaag gggaggaaga ggaaaggcti catggcctca 181 cctccticcc ctcctcttg gcggccttag cggcgtaaaa ctctgagacg gcctgaagtt 301 tagggatttc gctttcgggg ataagaatcc ggcggctcag gggatgccgg atggccctta 361 tcctgccgtc ccttatgtac tcgtaaatgg tggccttggg tactttaaac cgttctgaaa 421 ettetetaac agagageaca aaacetetaa aaacetatea ateccaeega ttecagtata 481 ccataaatgo cacaaagtt tgagaaggtg gtcaaacaaa aaggcttct cggtcaggtt 541 atggtgaggt gggggcggtc aaaggccgac ttaagtttgg taaagccggg aggaagcaaa 601 ccggggtgtt accatgcaac agatggccga gtggaacgtg tggacacaga gaagcgttga 661 gctlciggag aaggggtatt tggataaact actgcaggtc tataaagggg aaagtggctc 721 ttcgaggtca gtaccagagg aggtagagga aaaacttcgc gaggcctaca aggcatacga 781 ggggaggcag gatagtccgg aggcagaaac gaaactcgtg gaagccgtgc taaatgccag 841 aaaaaaggtc gagcggtccc ccttcaatca cccctacctg cctttggtct actacctggt 901 ttcggaaaaa gcagaaaaag cgaacaaggc ccttgaggag gcattgcagg aggttgcctc 961 aaagcaccca gaaaccatcc gcgtcctggc caaggaagcg caaagaagag gcgtagaagc 1021 cttgatccaa aggctcaagg agcctcccga aataaatcgg cagatagggc cgatgttcaa 1081 aaggtggtac aaagaagagc taaaggggaa aatagaagag aggcttccag gccctaccaa 1141 accaaagatt gtggtagtat cccctgaaaa aagtaaaccg gagcaagcac cccttattgc 1201 ggagagagaa gcgggcatca tcatatacac gggatcggat gaagctitga aagatgccgc 1261 caaggaaaac ctgggccttg gcgaggaagc agaactaggc accaagggcg tagatttcta 1321 cgtggtcatc cggcgtagcc ctgaagagac atggcaccta acaggagaag tgaagtttca 1381 atccgacttt ggcggaaacc aagacaacca gaaactagta gcaaaggctt ccataaggtt 1441 ggaccttgag aagaggcaca taggaatagt ggtggtggac ggaatgcctg tggtgagcaa 1501 gittegiggg tgggccggac tggggaaaga aacgategit acatecgiac tectecitec 1561 agacctgata geggagetet accaaaaggg tgaagaagee etgggeetet agaaggegga 1621 cacaatetea aacttgtget gtageetggg gaaateetet aacaccette tagtgaagge 1681 titgaccgcc tcccaggagg catctatgcc gatggatcgc cgctttaaga ggggtgaggc 1741 tataagcgta gtaccggagc ctgcgaaggg atcgagcact aaatccccct cgttactccc 1801 tgtttggacg atgagettga geatgteeag attitteteg gtggggtate gegggtaegg
1861 aggateettg aactgeeaaa egteetggag ettetteee ttetteagge gateeegage
1921 gtaaacttte tteegeggea eeeegttett tgaeeagaea ataageeett gagegtetag 1981 čtegtcaage tteteegggg gatagegeca atgeegteca ggagggggaa gtatteeteg 2041 ccaaggeett eeggtaggg cateettggt tieteeagga geatgeaggg gattggtggt 2101 gtacegttee eegttetegt etacaaaggg gaaaageeta gegateteet etteegaata 2161 ggggetagee gattegttee aaacgtagte eegegttttg gagtagaega ggateatgte 2221 ettttgegat eegaaggeet taegggaaaa gtttttggga titgaagega tgegggegat 2201 ateestagaa gaatttagaa eegaaggeet aaaagtagaa ateaaaagaa ateaaagaa ateaaagaa 2281 atggttaacg aagtticgcc ggccaaagac cicatcaagg atgagctica cctcgaaccc 2341 gtatiteteg tetatgigaa egaagateag teetgagiee geeateaget eeetgagaag 2401 tateaagege teeeteagga acteeacaaa eigaggaeea tegagggigi eategiagee 2461 caactgaccg tttttgggct ggctgacggt agcaacgcga tctgtttcat cgccgccaac 2521 gagaaactgc tggccggttc cataaggcgg gtcaatatag accaactgga ccttccccgc 2581 atacceacca ggotcocogga goatcoacco gagaacctga cogttttccc ccaaaaaqta 2881 acctcatcac ccacaaccct cacgcactcc aaccaaggaa tccgccaaag gcggcctacc 2941 ttttgagccc gtatcttccc ctgacgtata gaccttcgga tcgtetcagg gtgcacccga 3001 aggatgicig caageteete gggggteagg tacaeggget teateeteat gacacaacet 3061 taceecacag aggacaacae atgeaactat gggcaaagta gacaaegaga ecaaaagett 3121 gggccactci cicaggagge ciccitgagg gicticacta ggtacgcicc cggtcgigtc 3181 agatggccat ccgtgtaatc tcggataacc cgcattagga cggcaaatag atattgcgcg 3241 gggagitcac ccctggccac agcccacagc aagcctgcat agaaacgtct tgaacgacgg

FIG. 3B

3361 cgctccacct cggggaggac caggatgagg cccaggtcaa cggccacggt cttggtgttg 3421 ggcatcaccc tittcccctg agcccagagg accagcacgt ccagggtggg gcggattccg 3481 tiggtectigat aggeettgae ceagtigaag gagageaege egitiggeeat gietagggeg 3541 aggttectec aggggtagat gtagtegtec agggtgagec tggetttece tggeetcage 3601 cggacggccc aaagggtgcc gatggcccgg cgctccccgt tgacggttig gtgaaggacg 3661 tcggtggcca ccaggccctt tttctcaagg accttcttcc aggcgtggac ggtctgccgg 3721 gtgaccccca ggttgagggc caacatetcc agggggacca tgaagacgac cgtccccacc 3781 ttcctccaga gctcccggtt gccgtagggg atggtggagc gggcaatctc ctggaggagt 3841 tccagaagct tctgaggccc gtcctggacg gcttgacata cattcccaac ggggggttca 3901 getgőtgőta tagőgőggge cecaacagag gaaaggaaag cetcatggte titetegggt 3961 aaagcaatcc taagtgcctc tttttggtat gtaaagccct tcgcgaggcg attttcggca 4021 cetecatetg gaggggggte ggtggeeaag aagaagteet etgaeeeet atetgaeeee 4081 ctagtggcat cggtgttgtc gtgggtttcc tctaaagcct cgtaaagctc ttcaaagaag 4141 gtttittegt tetteaceet eggaceteet toteatetgg agecegagge ottaceetag 4201 gtcttggggg tgatccgggg caaccgcctc ggtttcgcct tittatgggt ccaaaataac 4261 cgtcagccca gcggctggca atccccctc ctaaaaggcc gttataggcc ctgctaggag 4261 gggggtagta ctttcctacc cccctaggct tggagaggcc ttaggaggtc tcctagggcc 4321 ggggggt gtaggggtaa cctcatggcc aggccggccg gctcgggact ctggaggagg 4441 cctccatage ctactcgtgg tggaggtttg tgaaggggtt cactaatgca tacggctage 4501 ctcgggatca cggccaaatg gtatgcaggt titggtataa aaccctcagg titgaggcta 4561 gtttatgtcg gttttatgca cettigacte ggatcaeggg cataaacace agttteetge 4621 acgaaagaaa actttcgcga tctaagaggg ggaaagaggt gtagagggac ggccttcatg 4681 aaagttggcc tcttaggagg ccgttgtaga gggccgtctc gggttcaaat cctttccctc 4741 tctctccagg ttccgaggt tcgaggtctt ggtccaggtc ttgtaccaag ttttgacca 4801 aagtctattc tcggaatata ggggtatctt gtctatcttc cctacgggat atctctgtct 4861 gtgtgaactt gatcccatcc caatacatat ctcaatctcc taatctcctc ttctctccag 4921 atccctaatc tettetteta cetettete etcecaatta agaatggaga ggaaaaaccc 4981 cgaccagaac gagcttctcg gggtcagttt cggtaatctc gggacaggit ticatcgtct 5041 aggacgagga ttagggcatg aaaaatgggc titgacaaaa tcittctaaa aaatactccc 5101 cgaggttggg gaagtgccct cggggagaag attittggca gtttagatgt tatgctctat 5161 cacgggccgg aggcctccac gataagttgt cttggccaag taccgggcca ggtcgggggt 5221 getetteage giggtgatgg tactiteacg gaagiteaca agicetitta gaggeticag 5281 gieggggata gigeteaagi acteecaage giteteggge eegiggiegg ggagaaggae 5341 aaaggggtcg ggcaaaagtt catctttgta cttaggacgg attactttag cacctgataa 5401 cttcagggcc gttaagaagg gcctcacctc ggagacgggt ggaaggagga cgtgggcgtg 5461 gaagaagacg aaccccgatt tttgggaagt ctccctccag tttgatgatg aacgttggga 5521 ggaagccggc caggatgtct ttcatcgcgc ctcgaacctc ggacacataa aaaactttcg 5581 totttotcag ggcaagagto ctatotatoa ggtaacette gggagtacaa agtoceteaa 5641 gccgcctttc ccaacgctcc aaaactctag ggtcaggtgg tttaggtttt ctgaaaaact 5701 ctagcttttc agtggtcatt cctcacccct ctagcacgta ctctggaagg taaacctttg 5761 acacagegge caagictage gicteceagi ceagitiggie igggaegegi gagaagggga 5821 ggggcttggt gtagaggacc agaagaccc

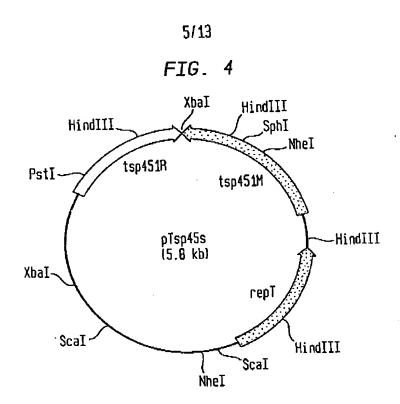
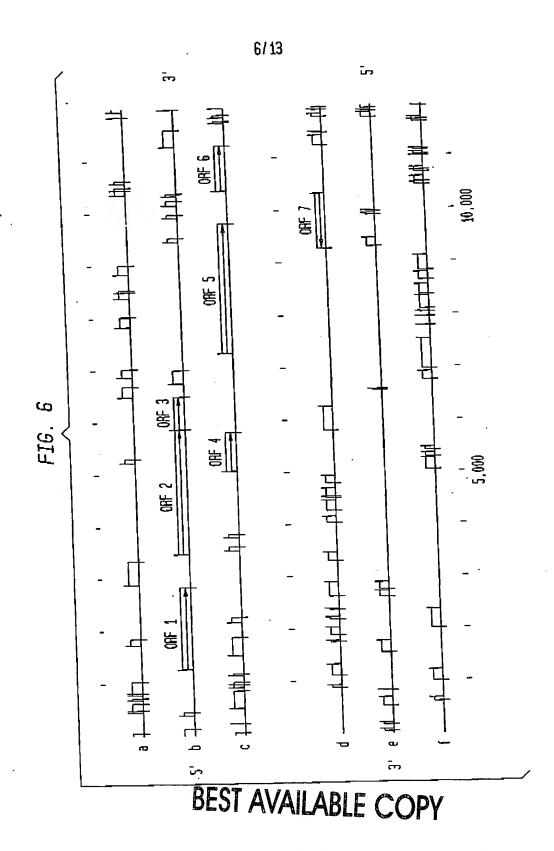


FIG. 5

1 ATGATCGTGGCTGTCACCGGCTTCAAGGGAGGGGTGGGGAAGACCACCACGGCGGTCCAC M I V A V T G F K G G V G K T T T A V H CTGGCCTGCTTCCTGGCCGAGCGGGGCCCCACCCTGCTGGTGGACGGGGACCCCAACCGC ACFLAERGPTLLVDGDPNR TCCGCCACGGGGTGGCACCGGAGGGGAGGCCTCCCGGTGACCGTGGTGGACGAGCGGGTG SATGWHRRGGLPVTVVDER AARYAREHAHVV IDI 241 GAAGAGGACCTCCGGGCCCTCGCCAAGGGGGTGGACCTGCTGGTCCTGCCCACGTCCCCC EEDLRALAKGVDLLVLP ALALEALLATLEALRGAEA 361 CGCTTCCGGGTCCTCCTGACCATGGTGCCCCCGCCCCCGAGCCGGGGACGGGGAGGAGGACGGCC RFRVLLTHVPPPPSRDGEE RALLGAEGVPLF TG 481 GCCTTCCCCAAGGCCGCCCTCCTGGGGGTGCCTGTCTACCGGGTGCCCGACCCCAGGGCG A F P K A A L L G V P V Y R V P D P R A 541 AGGCTGGCCTGGGGGGACTACGCGCGGGTGGGGGAAGAGCTCCTGAAGGAGGTGGGGGGA WGDYARVGÉE RLA 601 TGA 603



	•	CTTATACACACAAACTATACACGTCTCTATCGGGCTTTTCTTAGCGCCCATGTAAAACACC
FIG:	7A	1 CCTCCATCTCCCCCTGTTTACAGCGGATACGGGAGGTTCAGCGGGAACTTTTCCCCTTG
7 10.	,,,	61 TECAACTTTGGGGTCTGAGGCTGACAGCAGAACAGCTTAGGTTGACTCAACACAGCTC
		121 ATAAGTCCCTTCATTATCGCCTGAGTCAACCTATGAGTTAACCTTTTTTCAAGAAAAAGA
		181TOTOCTCTACCACCACTTTTTTCTTTGAGTCAACCTCTGTGCCGACC
	٠	241
		301
		361
		421GATTELEANTECTE ANTECT ACAFTEAT GEGT CACT CACCT CTGGCTG
		481
		341 CONCENTRACIONAL AGRETICA AGGIGG TEGGGGGGCAGCCACGCCACGT
		601
		GG1
		721
		781
		841
		901
		961 CCACATTCCTCAAACCCCTAACAGCCCTTATTCCAGCCATTTCAGGCAGATTGTCAAAGT
		TACCOCCTCACCTTCCCACCTTCTACCTCTGCTGGCCGCCCTGGATGACTCCGCCAT
		1081TOPPER TOPPER
		1141
		1201
		1261
		1321
		1381
		1441
		1501
		1561
		1621
		1681
		1741
		ACCITCIOCICCACOACCOTOCOMACOO ACCITCACO ACCITCA

1217124G17174G1474G1474G1474G177G1	
ACTGTTCTACGGCTACTGTGTAAACGAACGGGGCCTCGACAGCAACGCGTTGAGCCTCGC ACTGTTCTACGGCTACTGCAACGGGGCCTCGAACGCGTTGAATAGGTACAA 1920	CTC 7P
/ LUA / D PULL	FIG. 7B
1980 1921 GGACGAGGATTTACCCCCCGTTACTCGATCGGAATACATGTTTATCGCCCTGGTGAAAAA 2040	
1981 ACTCCACAGAGGTTATCTCCGCGCCCTTGGGCTTGGGGTAGACCCGGACGGGGTGAAAGA 2100	
GCTGGAACGGAAACTGAAAATCGCCGGAATTGATGTCACGGACGG	
GCCCCTCCTGGAAACTCACGAGCCCCTCCGCTGGGTGCTGGATGGCATCCGGCTCATGCT	
2161	
2221	
2201 CONTROL CONTROL OF THE CONTROL	
2341 CGGGGATTTCGCTCCCGGCGGGGACACGTGGGGCCGGCGGGGGGGACACCTGGC 2460	
CGGGGATTTCGCTCCCGGGCGGGGACACGTGGGGCCGGCC	
CTACCGCAAAGTGGAGTTCAAAAACGCCCGAGGCCAGGTLTTTCAGAGCCTCCAGGCCAGG	
CGATCTCGTCACGTTCCCCCTGGACGACCCCGAGCACCCTGTCCTGGTCCTGGACGTGAA	
CGGGATGCGGTACTCCCTCAACGAGCTCTTTCACGTCTACCTGCGCACGATCCTCTCCCG	•
CCTGGCCCAGGCCTGGGCCGGACCGGTCCCCTCCTGCCCCTGTTTCCGGGTGCCGATACG	
AGGCTCAGACTTGCGCACATCGTTCGCAGGCGCCGCCCTACGTGGCCGCCGTGCCCGGG	
2/U1	
2761	
2821	
2001	
2941 GGTGGACGAACTGGTGCCGGAACTCCTACCCGGGGCGCGGGGGGGG	
GGCGGGCTCGGTCCAGGGCGAGCGGGGGGACAGCCTGGCCGTGGACCGCGGGAAGGGCTT 3061	
CTGGATCGACCACAACCCCTCGGCCCCCGAGCCCCGGGCCCCGAGCCCCCGAGCCCCCGAGCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCGAGCCCCCC	
CCAGGCGGCCAAGGGGCTCTCCCCCGAGGAGGCCCGGCGCTGGGCAGCAGTGGCTTGG	
CCTCTCCCCTTCGCCAAAGGTCAGGCGGACGAGGAGCTCAGGACCAAAGGTCTTGAGTAC	
TCAAGTGCGTGGGAGCTCGGGTGCTCCAGTCCTGAGTCTTCAGGTTCCCAGGTACCTGA	
GGAGTCGGACCCCTTTGACAACCCCCGCTTCCGGGACCTCCTCACCCCCAGGGGCGAGGAACCCCCGAGGGACCTCCTCACCCCCAGGGGCGAGGAACCCCCGAGGACCCCCCAGGGGCGAGGAACCCCCGGAGGA	
3361	
3421 COCCACOCCCACCCCTACCTGAAGGGGGGGGTCTGGATGCCCGGGTGGTCCG	
3481 CCCCTTCTACCTCCCCCTGCACGACGCCGCCGCCCCGCC	
3541 OLTAGOROGO ACCOCTOCCOCTOCCOCTOCTOCTOCTOCTACO TACGAGATOCCCGGCCTCAC	
CCAGGGCGCCCCGGGCAAGGGCTGGGGAGGGGAGGCCCACCAGCTACTGGGCCCTCCC	

•		
		CCCCTTCGAGGGCCCCTCCCCCCGCCGCAAGCTCTTCTTGTGCGAGGGGGGCGAAGGATGC
FIG.	7C	3721 CTGGGCCCTCTGGCTCCACCTCCACGCCCAGCCCTGGGCCCAGGACCTGGCGGTGGTGAC 3840
		3781 CTCCACGCACGGCTCCGCCCTCCCCGAGGCCTGGAAAGACCCCCTGTTCTGGGCCCCTTG
		3841 GGAGGAGGTCTACCTGGGCCAGGACGCCGACTCCGCCGGCGAGGAGGATGGCCCGGAAGGT
		3901
		3961 CTGGACGGACTACTTCCTGGCGGGGGCACCCCCGAGGGCTTGCGCCTCCTCCTGGAGGG
		4021
		4081 CGTGGACATCCAGCGGGCCTTCGTGCGGGGCCACCTCTACGTCCCCGTGCGGGTCCTGGA 4200
		GAACCGGGGGGAAGAAGGGGCCCGCTACCGCACCGTGGTGGTCCGCTCCGACGGGGCCGT 4260
		4201 CCTGGGCTGGGGCTACTTGCCGGCCCCGCCCGGCACCCCCTTGGAGGACCGGGTGCTGGC 4320
		4261 CGTGGACGACGCCATCATCCGCAGGCCCCGAAGGCGGCCGCCGGGACCTCGTGGAA
		4321
		4381
		4441
		4501
		4561AGACCTCCCCCCCAACCCCCCCAATCACCGCCAGACCTCCGCCGC
		4621
		4681
		4741
		4801
		4861
		4921
		4981 CCCCATGGAGAACGCGCCAGCCTCCACGCCCTGTACCGGGAGCGCTTCGCGGGCAAGG
		5041
		5101
		S161
		5221
		5281GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
		5341
		5401
		5461GARGETTCCACCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
		TECAGGAGGGGATULLUTTGGAGCCCCTGAAGCAACCCCTGGAGCAACCCCTGAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGAACCCCTGGAGCAACCCCTGGAGCAACCCCTGGAGCAACCCCTGAACCCAACCAA

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		107 111
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		GGAGCGCTACGGGGAGGCCAAGCTGGCCCAGAAAAGGCGGGAGCTGGAGGAGGAGGAGTTTTT 5700
FIG.	7D	GGCCCTGGTGGGGCCCCAAGATGGCCTTGGCCTCCAGGCTTCCGCCGAGGAGGAGGAGAGAGA
		CCGAGGTAAGCACCCAAGTACCCAAGTACCCAAGACCCTAAAGCCTCAGGTACCGGAGGA
		5761 CCTCGGGGACGGAGGACCTAAAACCCCAAGGGCGTGAAAGACTGAGGTGAGAGGGATGAT 5880
		CGTGGCTGTCACCGGCTTCAAGGGACGGGTGGGGAAGACCACCACGGCGGTCCACCTGGC
		CTGCTTCCTGGCCGAGCGGGCCCCACCCTGCTGGTCGACGGGGACCCCAACCGCTCCGC
	•	5941
		6001
		GOG1
	-	6121
		6181
		6241
		6301
		6361
		6421
		6481 CCCCCCAACACCCCCCCACGACTACCTCCCCATGAAGGTCTACATCAGCAAAGAGCTT
		6541
		GGO1
		GGG1
		6721
		6781
		GB41
		6901 ACGCCATCCAGGTCAAGCTGTGGGATAAGCCCCTCTCTTGGAAGGACCTGGGGAGCTTCG
		E961 TGGGGGTGAACCACCCCGAGTACGGCTTCGACCACGGGCTCATCGTGGCCCCAAGAG
		7021 GCGTGACCCAGGAGGCCGACCGCCAGCTCCAGGGCCTACCCATCACCATCCTGAGCGAAG
		7081 AGGCTCTCCTAGAAGACCTGGACCTGGACTCCTCGTTCCAGACCGCCCCGAGGAAGCCC
		7141
		7201
		7261
		7380 TCCTGGCGCCCTCCATCGCCCTCCTGGACCAGTCCCTCAGGGCCTGGGCGGGGGGGG
		7440

11/13
CCTTGCCCTTGCGCCTCTTCGCCGTGGTCTCGGACACGGGCGTGGGCAAGACCTCGGAGG 7500
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7501
COCCEGAGGTCCTGGAGAGGGCCCAGAAGGAGCACGGGCTTCCCCCTTTTGACCTGATGA
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7681 AGGTGCACCACGACCACTACGTGAAGGCCCGCCACCGCCTCTACATGACGGCCACGCCCA 7R00
7741 CCATCTGGGAGGTGGAGGGGAATGGAGAGAGGGGCCCAAGGGGAAAAAGGA 7860
7801 AGGACCCTCAGAAAGAGGGTTCTCCTCCCCTTTTGGACCTCGGTGCCTCTCCTACGGAGG 7920
7861 ACTCCACGGCCCCGAAGGGGTGGAACTCCTGGTCTACTCCATGGACAACGAGGGGATCT
7921 ATGGCCCCACCCTCTACGAGTACACCTTCACCCGCGCCGTGAAGGAGGGCCACCTGAGCG B040
7981 ACTACAAGGTCATCGTCTTCTCCGTGGCGGAGGAAGCCCAAAAGGACCTGGCCTCCTACC B100
TCCAGGGACCCGAGGCCCTCAAGGTGGAGGAGGCTCTGAAGGCCCTGGGCCTGTGGAAGG TCCAGGGACCCGAGGCCCTCAAGGTGGAGGAGGCCTCTGAAGGCCCTGGGCCTGTGGAAGG B160
H101 TCCTCCAGGGGGAGGGGGACGAGGAGGGGAACCCGATGGGGGGCCTCGACCTGCGGA B220
8161 GAGTCATCGCCTTCCACGGCCGGGTGAAGGAGTCCAAGGAGATGGAGGAAGAGTTCACGA B280
AGGTGGCCCTCGCTGCCCAGCAGGCTGGCCTCCTTCCCGAGGAGCTCCGGCGGGTGGAGG B340
B281 TGAAGCACATAGACGGGCAGATGTCCGCCTATGACCGGAAGCGCCTCCTGGACTGGCTTA
B341 GGGAGAACGTCCCCGAGGGGGGGGGGGCCCTCCTCACCAACGCCAAGGTCCTCACCGAGG B460
66ATCGACGTCCCGGCCCTAGATGCCGTGGCCTTCATGCGTCCCCGGGACAGCGTGGTGG
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8521 TGGTCCTGCCCGTGGTGGTGAGGGGCAGGACGAGGAGCGGGAGAGCGGCT AG40
8581 ACCGGGGGGTGTGGCAGGTGCTCTCGGCCTTGCGCTCGGACAAGTCCTTCGAGGCCC
GCATGCGGGCCGCCCTGGTGCGCCTCTCGGGTAAGGGCGAGGGCGGAAGGTGGAGAGG
8701 CCCGAGAGGGTGTGGCCGTCATCGGGGAAGGAAGCGCCTCCCCCGTGATCGTAGATGTCC 8820
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8821
8881 CGAAGGTGCTGGAGCAGCAGGTCAGGGCGATGGCGGAGCCCCAAGGTGAAGGAAA
8941
AAGCCATCCTCATGCTGGTCCAGCACGCTCTCACCAAGCCCATCTTCGACGCCCTCTTCG
9061
9121 AGTTCAGGGGGTTCCTGGACCGGGAAGGGGGCCCTCAAGGATTTCTACGAAGAGATGC 9240
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T 2/11/2004 11:00:56 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/1 * DNIS:8729306 * CSID:1 888 632 4436 * DURATION (mm-ss):04

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TADIA					
FIG. /F 9361					
9421					
9481 GGCAAGCTGGAGCGGGGGGGGGGGGGGGGGGGGGGGGGG					
GGCAAGCTGGAGCGGGGGAGATCTGGGCCAACGAGATCCTTCTCCCCCTTCAAG 9541					
CTCAGGGCCAACGTGGAGAACACCCCTGACCCGGCCCCCCCC					
COCCOCTTO TECHTERIAL IN A LOGIC BOLLO COLOR COLO					
9661 CATCATCCCGCTCTTCCCGGAAGAATACGGTGAAGGCCCCCCGAACGAGCAGCTGAAGGCCCCCGATCATCCCGGCAAGAATACGGTGAAGGCCCCCGAACGAA					
9721 TATCCAGGTTATCCTCTCCAACCCCCGTGCGGGCTTGGTTGG					
9781 AGAAGAACCCCGTCTACCGTAAGGTGCGGAGCGGGTGGAGCCAACCTATGTACGGCGG					
9841 — GCCAAGGAACTTCCCATCGGGGGGACAAAACCCAAGGGAGAACCTGAACTCCCTCTAC 9960					
9901 GACCAGTACATCCAGGCCTTGCGGGTGGCGAGCGACCGTATCGGGGAGGAGGGGGTCGTG 40020					
GACCAGTACATCCAGGCCTTGGGGGGGGGGGGGGGGGGG					
GCCTTCGTCACCAACAACGGGTGTGGCTGGGGGGGGGGG					
10081 GGGGAGGCACGGAAGAAGAAGGAGGGGGGGGTCTTTGGACAGCCTTCCCGCGCCCGGGGTC 10200					
10141					
TGCCTCCTCCTCGGGAGGCCAAGCAAGCAAGCAAGCAAGC					
10261					
10321 GGTTCTCGGGGATGTTGTCCCTGGACGAGGTCTTTGAGGTGCGGAGTTCTGGGGTGAAGA 10440					
10381					
10441 GGCTCATCTCCACCTACAACGAGCACGTGAAAAAGAAGAGGGGAAACTAGGGGAAC 10560					
10501 TGGAAAAGGATGAGAGCATCATCAAGTGGGAAACTCATCAGGTACCTAGAGTCCC 10620					
10561 TGAGGGAAGCTTCCTACGAAGGGAGCGGTCAAGTCTACGAGGCCCTCTACCGCCCCTTCG					
10621 TGCCTATGTACCTCTACCTCAGCCGCACTTTCAATAGCATGATTTACCAAATCCCCCGCA 10740					
10681					
10741					
10801					
10861					
10921					
10981TECCCAACCATCTCAAGATCCCCCCCCAAGATCCCCGAAGATCCCGAACTCT					
11041					
PAGE 16/17 * RCVD AT 2/11/2004 11:00:56 AM [Eastern Standard Time] * SVR-USPTO-EFXRF-1/1 * DNIS:8729306 * CSID:1 888 632 4436 * DURATION (mm-ss):04-48					
2501 VANITABLE COPA					
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FIG. 7G

	TGCCCCCTGGAGCCCAGTCCCCCTTCGGGTGGAAGAGGGAGG	11220
11161	GCGCTACCGGGTGGAGCGGATGAGGCTGGACAAGGAGAGGAGGGTTCTCCAGTACAACGA	11280
11221	CTGGGTCCGGGTGGAGGCATCCCCGAGGAGGCCTTCCGCTGGCGCCCCCGGGGGGTACTC	11340
11281	CCCCTTGGAGTGGATTGGCCGCTTCTGGAAGGTGGAGAGAGGTGCCCAAGGGCAGGGG	11400
11341	GGAGGCCATCGTCTGGGACCCCAACCTCTTCCTCAAGGAGAAGGGGGAACCCCGTTACCT	
11401	CCTGGACCTCATCGGGCGGGCGGTCCAGGTGGCCGTGCAGACGGTTGGGATCCACGAGGA	11460
11461	GCTGAGAGAGAGACGTGGAAGCTCTGCTGGGTTGAGGGGGGTGCTGGCCCGCCGTTCTCCCT	11520
11521		11580
11581	ACTCCTTTAGGGCCTACCCCTACGATCCAAGCACGGCCCTGGGGGGGCGCTCAGGTGGGCA	
11641	TCCCACGTCCAAGGCCCCGACTT6666CACCCCATGCTGCGAACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCGACTTACAGGGCCCCCAGGCCCCAGGCCCCAGGCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCCAGGCCCCAGCCCCAGGCCCAGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCCAGGCCCAGGCCCAGGCCCCAGGCCCAGCCCAGGCCCAGGCCCAGGCCCAGCCAGGCCCAGGCCCCAGGCCCAGGCCCAGGCCCAGGCCCAGCCCAGGCCCAGGCCCAGGCCCAGGCCCAGGCCCAGGCCAGGCCAGGCCCAGGCCAGGCCAGGCCAGGCCCAGGCCAGGCCAGGCCAGGCCAGGCCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCCAGGCCAGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGGCCAGCAG	
	GAAACATTCCCCCCIGUICACGGGGGGAAAGTICGTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	
11701	TCGCATCCGGAGAGATGGCGGGGTGGAACTTTCCCCGAGGACTCCCGCATAGGACTCCCGCATAGGGACTCCCGCATAGGGACTCCCGCATAGGGACTCCCGCATAGGGACTCCCGCATAGGGACTCCCGCATAGGGACTCCCCGCATAGGGACTCCCCGCATAGGGACTCCCGCGATAGGACTCCCCCGCATAGGGACTCCCCGCATAGGGACTCCCCGCATAGGGACTCCCCGCATAGGGACTCCCCGCATAGGGACTCCCCGCATAGGGACTCCCCGCATAGGGACTCCCCGCATAGGGACTCCCCCCGCATAGGGACTCCCCGCATAGGGACTCCCCCCATAGGGACTCCCCCCCATAGGGACTCCCCCCCATAGGGACTCCCCCCATAGGGACTCCCCCCCATAGGGACTCCCCCCCATAGGGACTCCCCCCCATAGGGACTCCCCCCCATAGGACTCCCCCCCC	
1176	TAAACGGCAAGCTATCAGTGTAGACTTTTTCAAAAAGAGCCATACTCOTOTTTTGGGG	T + 11880
1182	TCAGAACGGCATTTTTGCTAAGGAGGTGGTTTACAAATGGGTGTTAATGGGTGTGTTAATGGGTGTGTTAATGGGTGTTAATGGGTGTTAATGGGTGTGTTAATGGGTGTGTTAATGGGTGTGTTAATGGGTGTTAATGGGTGTTAATGGGTGTGTTAATGGGTGTTAATGGGTGTTAATGGGTGTTAATGGGTGTTAATGGGTGTTAATGGGTGTTAATGGGTGTTAATGGGTGTTAATGGGTGTTAATGGGTGTGTTAATGGGTGTGTTAATGGGTGTGTTAATGGGTGTGTAATGGGTGTGTTAATGGGTGTGTTAATGGGTGTGTGTGTTAATGGGTGTGTTAATGGGTGTGTGTGTGTGTGTTAATGGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG	T + 11949
1188	rrggtagtaggatgc	
1194		